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PATENT CASE OT0426KQ3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of: *Haslwanter et al.*

: Group Art Unit: 1615

For Patent: **NASAL SPRAY COMPOSITIONS**

: Examiner: (To Be Assigned)

Serial No.: 09/940,784

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Filed: August 28, 2001

: Date: April 22, 2002

TECH CENTER 1600/290

Schering-Plough Corporation  
Kenilworth, New Jersey 07033-0530

Assistant Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Enclosed is a PTO-1449 Form (two pages) listing publications known to Applicants which may be relevant to this application. This Statement is being filed within three months of filing of the application, but prior to the first Office Action from the Examiner and, therefore, no fee should be due.

Copies of these publications were previously submitted in U.S. Patent No. 6,316,483B1, (U.S. Serial No. 09/434,075, filed November 5, 1999) to which this application claims priority of.

**U.S. Patent Documents**

AA.	<i>Dale et al.,</i>	U.S. 2,861,920
AB.	<i>Sieber et al.,</i>	U.S. 4,358,439
AC.	<i>Wolfe et al.,</i>	U.S. 4,470,965
AD.	<i>Su et al.,</i>	U.S. 4,581,225
AE.	<i>Shimizu et al.,</i>	U.S. 4,728,509
AF.	<i>Sanderson,</i>	U.S. 4,818,541
AG.	<i>Frost,</i>	U.S. 4,880,813
AH.	<i>Giertz et al.,</i>	U.S. 4,906,614
AI.	<i>Ogawa et al.,</i>	U.S. 4,910,225
AJ.	<i>Sparks et al.,</i>	U.S. 4,952,402
AK.	<i>Chibret,</i>	U.S. 5,000,936
AL.	<i>Kielley</i>	U.S. 5,114,979
AM.	<i>Gilbert et al.,</i>	U.S. 5,116,847
AN.	<i>Hettche</i>	U.S. 5,164,194
AO.	<i>Sims et al.,</i>	U.S. 5,164,398
AP.	<i>Arai et al.,</i>	U.S. 5,177,223
AQ.	<i>Weber et al.,</i>	U.S. 5,262,568
AR.	<i>Yamamoto et al.,</i>	U.S. 5,356,620
AS.	<i>Hargrave et al.,</i>	U.S. 5,366,972
AT.	<i>Ikejiri et al.,</i>	U.S. 5,419,898
AU.	<i>Goldin et al.,</i>	U.S. 5,837,737

**Foreign Patent Documents**

AV. 0 109 561 - Europe  
AW. 0 380 367 - Europe  
AX. 0 454 617 - Europe  
AY. 0 498 290 A1 - Europe  
AZ. 0 571 671 - Europe  
BA. 1-168619 - Japan  
BB. 4-99731 - Japan  
BC. 62-123116 - Japan  
BD. WO 94/05330 - WIPO  
BE. WO 94/11100 - WIPO  
BF. 3287535 - Japan  
BG. 8404346 - South Africa

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**Other Documents**

"Auxiliary Substances in Technology of Drug Form," (E. Rybacki and T. Stozek, Warsaw 1980), Vol. 7, Sections Titled, "Polyoxyethylene Glycols" and "Polyvinylpyrrolidone" (English Translation).

Martindale The Extra Pharmacopoeia (1989), p. 841

Remington's Pharmaceutical Sciences (1985), pp. 889, 1127, 1159, 1299, 1305, 1309 and 1500

Kublik, H. et al., "Rheological Properties of Polymer Solutions as Carriers for Nasal Drug Delivery Systems," Eur. J. Pharm. Biopharm, 39 (5) pp. 192-196 (1993).

Rozier, A. et al., "Gelrite®: A Novel, Ion-Activated, In-Situ Gelling Polymer For Ophthalmic Vehicles," International Journal of Pharmaceutics, 57, pp. 163-168 (1989).

Chem. Abs.: Vol. 116, No. 18, No. 181179, May 7, 1992, JP-A-04026617.

Physician's Desk Reference for Non Prescription Drugs, (1993), pp. 699-700

U.S.P. XXII, pp. 1118 and 1763

Pharmaceutical Dosage Forms, Vol, 2 edited by Herbert A. Lieberman, et al., Marcel Dekker Inc., New York, USA, (1989), pages 180-187, 199.

Tecnologica Farmaceutica, Dr. Edmundo Montalvo, pages 73, 74 and 75

The Examiner is respectfully requested to initial the PTO-1449 Form to evidence consideration of these publications and return a copy of the initialed form to Applicants.

If any fees are required for consideration of this Information Disclosure Statement, the Commissioner is hereby authorized to charge such fees to **Deposit Account No. 19-0365**.

Respectfully submitted,



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**Enclosures**

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231 ON APRIL 22, 2002.

WILLIAM LEE  
(REGISTERED REPRESENTATIVE)



(SIGNATURE AND DATE)